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Remarks

Claims 1 and 3-6 are pending. By this Amendment, claims 1 and 5 have been amended, claim 2 has been cancelled, and claim 6 has been added.

Claim 5 has been revised merely to correct typographical errors.

In the Office Action, claims 1-5 are rejected under 35 U.S.C. 102(e) as being anticipated by Sowlati (US 6,515,547). Applicants submit that the claimed invention is allowable for the reasons that follow.

With respect to independent claim 1, Applicants submit that Sowlati does not disclose, *inter alia*, "a bias circuit coupled to the control electrodes of the cascode transistors for biasing the control electrodes of the cascode transistors, the bias circuit comprising a high frequency current blocking circuit including an inductance for blocking flow of current from the high frequency coupling through the biasing circuit." (Emphasis added). The Office asserts, in the rejection of the original claim 2, that resistors Rb of FIG. 5B of Sowlati disclose the above identified feature of the claimed invention. (Office Action at page 3). Applicants respectfully disagree because missing an inductance element, the resistors Rb of Sowlati cannot block "flow of current from the high frequency coupling through the biasing." (Claim 1). To make this feature further clear, Applicants have amended claim 1 to include "an inductance." Accordingly, Applicants respectfully request withdrawal of the rejection.

With respect to independent claim 5, Applicants submit that Sowlati does not disclose, *inter alia*, "copying substantially common mode voltage changes of terminals of the main current channels of the input transistors to voltage changes at the control electrodes of the cascode transistors, at least in a frequency band of the wide band

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signal.” In addition, as has been discussed before, due to the deficiencies of Sowlati with respect to the circuit structure, c.g., missing a high frequency current blocking circuit including an inductance, the circuits of Sowlati cannot achieve copying substantially common mode voltage changes of terminals of the main current channels of the input transistors to voltage changes at the control electrodes of the cascode transistors. Accordingly Applicants respectfully request withdrawal of the rejection.

With respect to new independent claim 6, Sowlati does not disclose a feedback impedance element as included in the claimed invention.

With respect to claim 3, Applicants submit that Sowlati does not disclose, *inter alia*, that the capacitance (Cb) is “with a capacitance value so that common mode voltage changes of the terminals of the main current channels of the input transistors are substantially coupled to voltage changes at the control electrodes of the cascode transistors.” (Claim 3). The teachings regarding the structure of capacitor Cb in Sowlati do not disclose the capacitance value feature of the claimed invention.


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Applicants respectfully submit that the application is in condition for allowance.

If the Examiner believes that anything further is necessary to place the application in condition for allowance, the Examiner is requested to contact Applicants' undersigned representative at the telephone number listed below.

Respectfully submitted,

Dated: 4/12/06

  
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